



Regular Council Meeting

To:	Mayor and Council
Date:	August 2, 2022
From:	Wayne Hancock, Director of Public Works
Report Number:	Public Works 2022-16
Subject:	Single Sourcing Morton Line Culvert Relining

Recommendations:

1. That Council approve Single Source procurement as per section 5.6.2.d and 5.6.2.i of the Purchasing By-law No. 2020-22 for the Morton Line Culvert Relining project to Carchidi Excavating in the amount of \$81,488.00, with a net municipal HST of \$1,434.19 for a total amount of \$82,922.19; and,
2. That Council approve the transfer of the unspent funds of \$37,000 towards the Larmer Line Culvert project, as deferred, for consideration in the 2023 Capital Budget.

Overview:

At the May 4, 2020 Regular Council Meeting, Council awarded the Municipal Structural Inspection Program to D.M. Wills. This inspection program included structures (culverts) that are greater than 2m in diameter or width; there are twelve (12) of these structures that the Township is responsible for maintaining. Within the Structural report, the consultant outlined six (6) structures that are in need of replacement.

Earlier this year, staff were investigating a structure on Morton Line West, which had not been identified in the initial Municipal Structural Inspection Program. Township staff have contacted D.M. Wills, and indicated that this structure did not show up on our original list. Township staff was concerned as it showed major signs of deterioration and it is located in a section of Cavan creek with major flows. D.M. Wills completed an additional inspection and agreed with Township staff that the structure on Morton Line is a higher priority structure than the structure on Larmer Line. Staff are therefore recommending to proceed to complete the repair work on this concrete box culvert this year and reschedule the Larmer Line structure in 2023. The Morton Line concrete box culvert is located approximately 400m east of Tapley ¼ Line and has increased the Township's inventory to thirteen (13) structures.

D.M. Wills has provided an updated estimate for the repair of the structure at \$359,000.00. However, Township staff have used relining technology on the Hay Street

Culvert in 2018 and on the Zion Line Culvert in 2021 and have found this to be the most cost effective solution. It has a significant reduction to the impact of the roadway and less impact on traffic flow.

As with Zion Line project last year, staff are recommending a new steel culvert be placed within the existing structure and have grout pressure pumped around the culvert to provide structural support. This new culvert will be a CSP pipe arch culvert and would act as a new structure within the old existing concrete box culvert.

As noted last year, two contractors have experience completing this type of work in Ontario. The two contractors are Four Brothers Construction Ltd. from Orillia and Carchidi Excavating Ltd. from Lindsay. Township staff contacted both contractors and received quotations for the culvert relining project. Four Brothers Construction Ltd. provided a quotation in the amount of \$98,150.00, with a net municipal HST of \$1,727.44 for a total amount of \$99,877.44. Carchidi Excavating provided a quotation in the amount of \$81,488.00, with a net municipal HST of \$1,434.19 for a total amount of \$82,922.19. Therefore, Carchidi Excavating provided staff with the more cost effective quotation for the Morton Line Culvert Relining. As well they completed the Zion Line project last year without any major disruptions to traffic flow and minimal impact on the road itself. Carchidi has indicated they are able to complete this project immediately.

Staff are recommending Single Source procurement, to Carchidi Excavating for the Morton Line Culvert Relining project, per section 5.6.2 of the Purchasing By-law No. 2020-22 as there are a limited number of contractors and availability to complete the project this summer. This procurement meets qualification under 5.6.2.d as "The required goods and/or services are to be supplied by a particular supplier(s) having special knowledge, skills, expertise or experience" and 6.5.2.i "Where due to abnormal market conditions, the goods, services or construction required are in short supply".

Financial Impact:

Council approved \$120,000.00 in the 2022 Capital Budget for Cross Road Culverts, account 02-5633-4100. Carchidi Excavating has provided a contract price for both the Morton Line Culvert and the Larmer Line Culvert. Staff have recommended to proceed with the work on Morton Line Culvert and propose to defer the work on Larmer Line Culvert. The total cost, including net municipal HST, based on the Contract Price from Carchidi Excavating will be \$82,922.19, which is within the approved Public Works Capital Budget. The unspent funds of \$37,000 will be transferred into the 2023 budget towards the Larmer Line Culvert project for future consideration and discussion with Council.

Respectfully Submitted by,

Reviewed by,

Wayne Hancock
Director of Public Works

Yvette Hurley
Chief Administrative Officer